

S and Moore–Mrowka spaces under really not CH

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A Moore–Mrowka space is a compact non-sequential space of countable tightness. Their existence is independent of CH and of $MA + \mathfrak{c} = \omega_2$. This got me to wondering about $\mathfrak{c} > \omega_2$. It then was natural to wonder the same thing about S spaces since I have always felt that the Moore–Mrowka question relied heavily on developments and techniques from the S space problem. Using methods, primarily from Todorćević [1983], but also from Abraham–Shelah [1981] and Abraham–Rubin–Shelah [1985], we answer the problem for S spaces and make some progress for Moore–Mrowka.

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